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A FURTHER CONTRIBUTION TO KNOWLEDGE OF IRISH FUNGI.

BY P. O'CONNOR.

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A FURTHER CONTRIBUTION TO KNOWLEDGE OF THE IRISH FUNGI.

By P. O'CONNOR.

(Read June 15, 1948. Published June 20, 1949).

The following list of fungi, which appear to be recorded now for the first time for the vice-counties of Ireland in which their occurrence is here noted, is a continuation of an earlier contribution.[1]

The arrangement and the classification followed are mainly the same as before with the exception that the Pyrenomycetes are according to Saccardo's *Sylloge Fungorum* and the Sphaeropsidales and the Melanconiales groups of the Fungi Imperfecti are in the order of Grove's "British Stem-and-Leaf-Fungi" (1935–7). After the name of each species comes that of the host or of other substratum ; this is not repeated so long as it remains the same ; next in turn come the number of the vice-county, the name of the district, the date of collection, and, when the specimen has not been gathered by me, the name of the donor. The sequence of the records for each species follows the numerical order of the forty vice-counties adopted by Praeger in "Irish Topographical Botany" (1901) as follows :

1 Kerry, S.	**15** Galway, SE.	**28** Sligo.
2 Kerry, N.	**16** Galway, W.	**29** Leitrim.
3 Cork, W.	**17** Galway, NE.	**30** Cavan.
4 Cork, Mid.	**18** Offaly.	**31** Louth.
5 Cork, East.	**19** Kildare.	**32** Monaghan.
6 Waterford.	**20** Wicklow.	**33** Fermanagh.
7 Tipperary, S.	**21** Dublin.	**34** Donegal, E.
8 Limerick.	**22** Meath.	**35** Donegal, W.
9 Clare.	**23** Westmeath.	**36** Tyrone.
10 Tipperary, N.	**24** Longford.	**37** Armagh.
11 Kilkenny.	**25** Roscommon.	**38** Down.
12 Wexford.	**26** Mayo, E.	**39** Antrim.
13 Carlow.	**27** Mayo, W.	**40** Derry.
14 Leix.		

This list may include species already recorded in some short or less readily accessible existing lists, all of which have not been consulted. The records for *Taphrina marginata, Synchytrium anomalum, Hormiscium laxum, and Fusarium album* are withdrawn.

[1] Scientific Proceedings R. Dub. Soc. **21**, p. 381, 1936.

As asterisk (*) is prefixed to the names of species that do not appear to have been recorded for Ireland already ; two asterisks are used in cases where a species does not appear to have been recorded for Ireland or for Britain.

I am indebted for much help and advice to Mr. A. A. Pearson, F.L.S., to Dr. J. Ramsbottom, O.B.E., of the British Museum, to Miss E. M. Wakefield, M.A., and to Dr. R. W. G. Dennis, of the Royal Botanic Gardens, Kew, to Mr. E. W. Mason, M.A. and to Mr. S. J. Hughes, M.SC., of the Commonwealth Mycological Institute, Kew. To these, to the many proprietors who graciously allowed me to make collections in their estates and to the many contributors whose names occupy appropriate places in the list, I beg to tender my sincere thanks.

BASIDIOMYCETES

Gasteromycetales

Geaster fimbriatus Fr. on soil : **6**, Dunmore East, 12/'42 : Mrs. K. Mackay ; **20**, Glencree, 12/'41 : Mr. J. Doyle ; **23**, Killucan, 10/'41 : Mr. F. C. Hassell ; **25**, Newpark House, 7/'47 : Mr. K. Lamb.

Tulostoma brumale* Pers. on sandhill : **12, Ballyteige, 6/'38 : Mr. G. E. Gill, B.L.

Agaricales

Lepiota rhacodes (Vitt.) Fr. : **21**, Rathfarnham, 10/'43 : Mr. C. W. Allen.

Psaliota xanthoderma Genev. on soil : **2**, Killarney, 10/'42 : Mr. A. Graham.

P. campestris Fr. under trees : **24**, Castleforbes, 10/'45 : Lady Granard.

Volvaria gloiocephala (DC.) Fr. on soil : **27**, Cortoon, 9/'41 : Mr. G. E. Gill, B.L.

Inocybe hirsuta (Lasch), Fr. on soil : **21**, Ballycorus, 10/'39 : Mr. G. E. Gill, B.L.

Tricholoma personatum Fr. : **8**, Kilkee, 11/'42 : Miss E. Hawker.

T. loricatum Fr. on lawn : **21**, Dartry, 9/'46 : Mr. F. C. Hassell.

Hypholoma fasciculare Huds. on *Fraxinus excelsior* : **4**, Farnanes, 8/'40.

Hygrophorus puniceus Fr. on soil : **8**, Kilkee, 11/'42 : Miss E. Hawker.

H. calyptraeformis Berk. : **10**, Castlelough, 9/'44 : Mr. G. E. Gill, B.L.

Lactarius controversus Fr. in mixed wood : **20**, Enniskerry, 9/'40 : Mr. G. E. Gill, B.L.

Coprinus comatus Fr. from garden : **23**, Athlone, 11/'40 : Mr. C. Backhouse.

Paxillus giganteus (Sow.) Fr. on soil : **20**, Greystones, 9/'37 : Mr. G. E. Gill, B.L.

Aphyllophorales

Daedalea latissima Fr. on *Carpinus Betulus* : **23**, Hyde Park, 3/'48 : Mr. F. C. Hassell.

Phlebia merismoides Fr. on *Ulex europaeus* : **1**, Kenmare, 12/'34 ; on fallen leaves : **21**, Whitechurch, 11/'41 : Prof. J. Doyle.

Stereum hirsutum (Willd.) Fr. on *Ulmus* sp. : **4**, Farnanes, 11/'43 ; on *Quercus* : **7**, Aherlow, 12/'42 : Mr. D. A. Quirke, B.Sc. ; on *Quercus* : **32**, Castleblaney, 5/'47.

Clavaria corniculata (Schaeff.) Fr. on soil : **24**, Ballymahon, 9/'36 : Mr. Alfred Leonard.

C. vermicularis Fr. on soil : **3**, Coomaneage, 8/'43.

Polyporus lentus Berk. on *Betula* sp. : **10**, Castlelough, 9/'44 : Mr. G. E. Gill, B.L.

P. frondosus Fr. on *Fagus* : **19**, Kilcock, 9/'47 : Mrs. Quin.

P. Schweinitzii Fr. on *Pinus sylvestris* : **7**, Aherlow, 8/'44.

P. giganteus Fr. on *Fagus sylvatica* : **21**, Merrion Street, 8/'36 : Mr. Crothers.

P. radiatus* (Sow.) Fr. on *Alnus* : **17, Woodlawn, 12/'44 : Mr. D. A. Quirke, M.Sc.

Fomes annosus Fr. on *Picea sitchensis* : **10**, Dundrum, 10/'43 : Mr. D. A. Quirke, M.Sc.

F. populinus* Fr. on *Populus* : **21, Crooksling, 10/'46 ; Mr. F. C. Hassell.

Ganoderma applanatum Pat. on *Populus* sp. : **7**, Garryduff E., 12/'45 : Mr. D. A. Quirke, M.Sc.

Poria sanguinolenta (A. & S.) Fr. on *Pinus sylvestris* : **9**, Castlecrine, 7/'47 : Mr. D. A. Quirke, M.Sc.

Polystictus versicolor Fr. on *Alnus rotundifolia* : **4**, Farnanes, 8/'40 ; on *Fraxinus excelsior* : **12**, Courtown, 6/'35 ; on *Fagus* : **14**, Emo, 9/'46 : Mr. D. A. Quirke, M.Sc. ; on wood : **19**, Leixlip, 6/'35 ; on *Prunus Laurocerasus* as a wound-parasite : **23**, Rossanagh, 2/'48 : Mr. J. Telford.

P. abietinus (Dicks.) Fr. on *Pinus sylvestris* : **6**, Cappoquin, 12/'42 : Mr. D. A. Quirke, M.Sc.

Irpex obliquus (Schrad.) Fr. on *Picea excelsa* : **9**, Raheen, 7/'47 : Mr. D. A. Quirke, M.Sc.

Exobasidiales

Exobasidium Vaccinii Woron. on *Vaccinium Myrtillus* : **20**, Enniskerry, 5/'33 ; on *Oxycoccus quadripetala* : **40**, Mill Lough, 7/'46 : Mr. G. Barnett.

Auriculariales

Auricularia auricula-Judae (L.) Schroet. on *Sambucus nigra* : **18**, Tullamore, 10/'37 ; on *Sambucus* : **23**, Knockdrin, 3/'37 : Mrs. C. Smyth ; **32**, Castleblaney, 5/'47.

Tremellales

Tremella mesenterica (Retz.) Fr. on wood : **3**, Enniskeane, 2/'46 : Mr. T. Shea.

Sebacina incrustans (Pers.) Tul. on soil : **4**, Farnanes, 8/'40.

Uredinales

Uromyces Valerianae Fckl. on *Valeriana officinalis* : **7**, Aherlow, 8/'44 ; **8**, Galbally, 8/'44 ; **17**, Ashford, 8/'41.

U. Scrophulariae Fckl. on *Scrophularia nodosa* : **1**, Westcove, 8/'43 ; **3**, Glandore, 7/'45.

U. Armeriae Lev. on *Armeria* : **3**, Glandore, 7/'45 ; on *Armeria pubescens* : **21**, Skerries, 6/'35.

U. Trifolii Lév. on *Trifolium pratense* : **1**, Caherdaniel, 8/'43 ; on *Trifolium repens* : **3**, Glandore, 8/'40 ; on *T. pratense* : **4**, Monkstown, 8/'43 ; on *T. repens* : **7**, Ballynacourty, 8/'44 ; on *T. pratense* : **13**, Rathvilly, 8/'37 ; **22**, Dunshaughlin, 7/'37.

U. striatus Schröt. on *Medicago lupulina* : **3**, Glandore, 7/'45 ; on *Trifolium repens* : **20**, Burgage, 9/'39 ; on *Medicago lupulina* : **21**, Howth, 8/'36.

U. Loti Blytt. on *Lotus corniculatus* : **21**, North Bull, 10/'44.

U. Anthyllidis Schröt. on *Anthyllis Vulneraria* : **3**, Glandore, 8/'40 ; **4**, Monkstown, 8/'43 ; **21**, North Bull, 10/'44.

U. Fabae De Bary on *Vicia sepium* : **3**, Glandore, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; on *Lathyrus pratense* : **13**, Rathvilly, 8/'37 ; on *Vicia sepium* : **14**, Abbeyleix, 10/'37 ; on *Lathyrus palustris* : **17**, Ashford, 8/'41 ; on *Vicia sepium* : **23**, Fardrum, 9/'38 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41 ; **29**, Sriff Cottage, 5/'39.

U. Geranii Otth & Wart. on *Geranium Robertianum* : **17**, Ashford, 8/'41.

U. Alchemillae Lev. on *Alchemilla vulgaris* : **28**, Swiss Valley, 5/'39 ; on *A. arvensis* : **29**, Glenade, 5/'39 ; on *A. vulgaris* : **32**, Castleblayney, 5/'47.

U. Ficariae Lév. on *Ranunculus Ficaria* : **30**, Castle Saunderson, 4/'41 : Mr. R. C. Faris.

U. Betae Lév. on *Beta maritima* : **4**, Monkstown, 8/'43.

U. Rumicis Wint. on *Rumex crispus* : **1**, Westcove, 8/'43 ; on *Rumex* : **5**, Garryvoe, 8/'40 ; **17**, Ashford, 8/'41.

U. Polygoni Fckl. on *Polygonum aviculare* : **3**, Myross, 8/'40.

U. Scillarum Wint. on *Scilla non-scripta* : **28**, Annacoona, 5/'39.

U. ambiguus* Lév. on *Allium Babingtonii* : **9, Inishmore, 6/'41 : Mr. F. C. Hassell.

U. Scirpi* Burr. on *Oenanthe fistulosa* : **20, Newcastle, 7/'37 : Mr. J. P. Brunker.

U. Poae Raben: on *Ranunculus Ficaria* : **13**, St. Mullins, 5/'39 : Dr. M. Coyle ; **25**, Rockingham, 5/'40 : Mr. F. C. Hassell ; **28**, Annacoona, 5/'39 ; **30**, Castle Saunderson, 4/'41 : Mr. R. C. Faris ; **32**, Castleblayney, 5/'47.

Puccinia Tripolii* Wallr. on *Aster Tripolium* : **6, Woodstown, 7/'37 ; Dr. M. Coyle.

P. Virgaureae* Lib. on *Solidago Virgaurea* : **3, Glandore, 7/'45.

P. expansa Link on *Senecio aquaticus* : **4**, Farnanes, 8/'40 ; on *Senecio Jacobaea* **7**, Aherlow, 8/'44 ; **13**, Rathvilly, 8/'37 ; **20**, Blessington, 6/'37.

P. Centaureae DC. on *Centaurea nigra* : **3**, Castlefreke, 8/'40 ; **7**, Aherlow, 8/'44 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 4/'41 ; **22**, Dunboyne, 11/'35 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41.

P. Cnici Mart. on *Cnicus lanceolatus* : **3**, Castlefreke, 8/'40 ; **4**, Farnanes, 8/'40 ; **7**, Aherlow, 8/'44 ; **19**, Leixlip, 8/'36.

P. Cnici-oleracei* Pers. on *Cnicus pratensis* : **21, Dundrum, 10/'38.

P. suaveolens (Pers.) Rostr. on *Cnicus arvensis* : **3**, Myross, 8/'40 ; **5**, Tivoli, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **18**, Charleville, 10/'37 ; **22**, Dunshaughlin, 7/'37 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41.

P. Lapsanae Fckl. on *Lapsana communis* : **3**, Glengarriff, 6/'35 ; **5**, Tivoli, 8/'40 ; **8**, Galbally, 8/'44 ; **13**, Rathvilly, 8/'37 ; **26**, Cong, 8/'41 ; **32**, Castleblayney, 5/'47.

P. Hypochaeridis Oud. on *Hypochaeris radicata* : **3**, Farnanes, 8/'40.

P. Taraxaci Plow. on *Taraxacum vulgare* : **1**, West Cove, 8/'40 ; **3**, Union Hall, 8/'40 ; **4**, Douglas, 8/'40 ; **5**, Tivoli, 8/'40 ; **7**, Aherlow, 8/'44 ; **8**, Galbally, 8/'44 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **18**, Charleville Park, 10/'37 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41.

P. Sonchi Rob. on *Sonchus*: **1**, Caragh Lake, 8/'40; on *Sonchus oleraceus*: **3**, Castlefreke, 8/'40 ; on *Sonchus* : **4**, Farnanes, 8/'40 ; on *S. arvensis* : **8**, Newcastle West, 9/'36 ; **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **18**, Charleville Park, 10/'37 ; on *S. oleraceus* : **23**, Fardrum, 9/'38 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38.

P. major Dietel. on *Crepis paludosa* : **20**, Ballyman Glen, 6/'36.

P. Hieracii Mart. on *Hieracium* sp. : **9**, Burren, 7/'34 ; on *H. vulgare*, **21**, Glencullen, 2/'36.

P. punctata Link on *Galium verum* : **1**, West Cove, 8/'40 ; **8**, Galbally, 8/'44 ; **13**, Rathvilly, 8/'37 ; **20**, The Murrow, 7/'33 ; **22**, Dunshaughlin, 7/'37 ; **24**, Longford, 9/'38.

P. Antirrhini Diet. & Holw. on *Antirrhinum majus* : **20**, Blessington, 8/'37.

P. Menthae Pers. on *Mentha aquatica* : **3**, Castlefreke, 8/'40 ; **5**, Garryvoe, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **17**, Ashford, 8/'41 ; **22**, Dunboyne, 11/'35 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41.

P. Glechomatis DC. on *Nepeta hederacea* : **3**, Leap, 8/'45 ; **11**, Birchfield, 10/'33 ; **14**, Abbeyleix, 10/'37 ; **18**, Charleville Park, 10/'37 ; **23**, Fardrum, 9/'38 ; **24**, Longford, 9/'38.

P. annularis Schlecht. on *Teucrium Scorodonia* : **1**, Castlecove, 8/'43 ; **3**, Glandore, 7/'45.

P. Primulae Duby on *Primula vulgaris* : **17**, Ashford, 8/'41 ; **25**, Boyle, 5/'40 : Mr. G. E. Gill, B.L. ; **28**, Swiss Valley, 5/'39 ; **29**, Sriff Cottage, 5/'39.

P. Saniculae Grev. on *Sanicula europaea* : **7**, Ballynacourty, 8/'44 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41.

C. Angelicae Fckl. on *Angelica sylvestris* : **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41.

P. Heraclei Grev. on *Heracleum Sphondylium* : **17**, Ashford, 8/'41.

P. Chaerophylli Purt. on *Anthriscus sylvestris* : **13**, Rathvilly, 8/'37 ; **18**, Charleville, 10/'37 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41.

P. tumida Grev. on *Conopodium majus* : **1**, Waterville, 4/'44 : Mr. T. Ó Murchadha ; **8**, Galbally, 8/'44 ; **32**, Castleblayney, 5/'47.

P. Conii Fckl. on *Conium maculatum* : **7**, Aherlow, 8/'44.

P. Smyrnii Corda on *Smyrnium Olusatrum* : **3**, Glandore, 7/'45 ; **4**, Ovens, 3/'45 ; **12**, Inch, 7/'42, Miss G. P. Murphy.

P. Circaeae Pers. on *Circaea lutetiana* : **14**, Abbeyleix, 10/'37 ; **18**, Charleville, 10/'37 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41.

P. pulverulenta Grev. on *Epilobium hirsutum* : **5**, Garryvoe, 8/'40 ; **7**, Cahir, 8/'44 ; on *Epilobium* : **28**, Swiss Valley, 5/'39.

P. Violae DC. on *Viola* : **2**, Lough Ine, 8/'40 ; **7**, Aherlow, 8/'44 ; on *V. sylvestris* : **14**, Abbeyleix, 10/'37 ; on *Viola* sp. : **17**, Ashford, 8/'41 ; on *V. sylvestris* : **23**, Fardrum, 9/'38 ; on *Viola* sp. : **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41.

P. Buxi. DC. on *Buxus sempervirens* : **1**, West Cove, 8/'40 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **19**, Carton, 4/'36 ; **26**, Cong, 8/'41 ; **28**, Swiss Valley, 5/'39.

P. Malvacearum Mont. on *Malva sylvestris* : **1**, West Cove, 8/'40 ; **9**, Kilronan, 6/'41 : Mr. F. C. Hassell.

P. Umbilici Guep. on *Cotyledon Umbilicus-Veneris* : **4**, Farran, 3/'37.

P. mirabilissima Peck. on *Berberis Mahonia* : **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **20**, Dargle, 4/'39.

P. Calthae Link on *Caltha palustris* : **7**, Aherlow, 8/'44 : **20**, Blessington, 7/'37 ; **26**, Cong, 8/'41.

P. Lychnidearum Link on *Stellaria graminea* : **25**, Athlone, 9/'38 ; **34**, Ballyshannon, 9/'41 : Rev. Brother Nathy.

P. Acetosae Körn. on *Rumex Acetosa* : **13**, Rathvilly, 8/'37 ; **20**, Blessington, 8/'37.

P. Polygoni-amphibii Pers. on *Polygonum Persicaria* : **3**, Castlefreke, 8/'40 ; **5**, Garryvoe, 8/'40 ; **9**, Scarriff, 7/'33 ; on *P. amphibium* : **24**, Longford, 9/'38 ; on *P. Persicaria* : **26**, Cong, 8/'41.

P. Polygoni-Convolvuli DC. on *Polygonum Convolvulus* : **5**, Tivoli, 8/'40.

P. obscura Schröt. on *Luzula sylvatica* : **26**, Cong, 8/'41.

P. Caricis Reb. on *Urtica dioica* : **25**, Rockingham, 5/'40 : Mr. F. C. Hassell ; **28**, Swiss Valley, 5/'39 ; **29**, Carrigallen, 5/'40 : Mr. J. P. Brunker.

P. Pringsheimiana Kleb. on *Ribes Grossularia* : **29**, Carrigallen, 5/'40 : Mr. J. P. Brunker ; **32**, Castleblayney, 5/'47.

P. extensicola* Plowr. on *Aster Tripolium* : **21, North Bull, 5/'41 : Prof. J. Doyle ; on *Carex extensa* : **21**, North Bull, 9/'41.

P. graminis Pers. on *Agropyron repens* : **14**, Emo, 8/1896 ; Dr. R. L. Praeger ; on *Triticum vulgare* : **17**, Ashford, 8/'41.

P. Lolii Nielsen on *Lolium perenne* : **20**, Blessington, 10/'39 ; on *Rhamnus catharticus* : **21**, Harold's Cross, 6/'41 : Mr. A. W. Stelfox.

P. Festucae Plowr. on *Lonicera Periclymenum* : **6**, Dunmore East, 4/'38 : Dr. M. Coyle.

P. Glumarum Er. & Henn. on *Agropyron repens* : **5**, Tivoli, 8/'40.

P. Winteriana Magn. on *Allium ursinum* : **21**, Brackenstown, 5/'39 ; **29**, Sriff Cottage, 5/'39.

P. Phalaridis Plowr. on *Arum maculatum* : **25**, Rockingham, 5/'40 : Mr. F. C. Hassell ; **28**, Swiss Valley, 5/'39.

P. Phragmitis Korn. on *Phragmites communis* : **3**, Castlefreke, 8/'40 ; **5**, Garryvoe, 8/'40.

P. Trailii* Plow. on *Rumex Acetosa* : **32, Castleblayney, 5/'47 : Mrs. F. E. Hackett.

P. Poarum Niels. on *Tussilago Farfara* : **4**, Monkstown, 8/'43 ; **5**, Tivoli, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **13**, Rathvilly, 8/'38 ; **17**, Ashford, 8/'41 ; **18**, Charleville Park, 10/'37 ; **24**, Longford, 9/'38 ; **25**, Boyle, 5/'40 : Mr. G. E. Gill, B.L. ; **28**, Annacoona, 5/'39 ; **32**, Castleblayney, 5/'47.

P. Baryi Wint. on *Brachypodium sylvaticum* : **5**, Garryvoe, 8/'40 ; **31**, Baltray, 10/'35.

P. Arrhenatheri Erikss. on *Arrhenatherum elatius* : **21**, Carrickmines, 12/'32.

Triphragmium Ulmariae Wint. on *Spiraea Ulmaria* : **1**, Staigue, 8/'43 ; **3**, Castlefreke, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **22**, Dunboyne, 11/'35 ; **25**, Athlone, 9/'38 ; **29**, Glenade, 5/'39 : Mr. J. P. Brunker ; **32**, Castleblayney, 5/'47.

Phragmidium Fragariastri Schröt. on *Potentilla sterilis* : **3**, Keamaneigh, 6/'35 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **11**, Graignamanagh, 12/'35 : Dr. M. Coyle ; **13**, Rathvilly, 8/'37 ; **26**, Cong, 8/'41 ; **28**, Swiss Valley, 5/'39.

P. disciflorum James on *Rosa canina* : **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41 ; **29**, Sriff Cottage, 5/'39.

P. violaceum Wint. on *Rubus fruticosus* : **5**, Glanmire, 8/'43 ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **23**, Moydrum, 9/'38 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41.

P. Rubi-Idaei (Pers.) Karst. on *Rubus Idaeus.* : **14**, Abbeyleix, 10/'37 ; **26**, Cong, 8/'41.

Kuehneola Tormentillae Arthur on *Potentilla erecta* : **3**, Farnanes, 8/'40.

Coleosporium Senecionis Fr. on *Senecio vulgaris* : **5**, Glanmire, 8/'43 ; **18**, Charleville, 10/'37 ; **25**, Athlone, 9/'38.

C. Tussilaginis Tul. on *Tussilago Farfara* : **5**, Garryvoe, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **22**, Dunshaughlin, 7/'37 ; **23**, Moydrum, 9/'38 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41.

C. Petasitis Lév. on *Petasites ovatus* : **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41.

C. Sonchi Lév. on *Sonchus oleraceus* : **5**, Garryvoe, 8/'40 ; on S. *arvensis*, **17**, Ashford, 8/'41 ; on *S. oleraceus* : **26**, Cong, 8/'41.

C. Euphrasiae Wint. on *Euphrasia officinalis* : **1**, Sneem, 8/'43 ; on *Bartsia viscosa* : **3**, Castletown Berehaven, 8/'38 : Mr. Henry Pim ; on *E. officinalis* : **5**, Tivoli, 8/'40 ; on *B. Odontites* : **8**, Galbally, 8/'44 ; on *Rhinanthus minor* : **13**, Rathvilly, 8/'37 ; on *B. Odontites* : **20**, Greystones, 8/'36 ; **26**, Cong, 8/'41 ; on *R. minor* : **34**, Ballyshannon, 9/'41 : Rev. Brother Nathy.

C. Melampyri Karst. on *Melampyrum pratense* : **7**, Aherlow, 8/'44.

C. Campanulae Lév. on *Campanula rotundifolia* : **21**, Portrane, 9/'41 : Prof. J. Doyle, D.Sc. ; **28**, Lough Gill, '37 : Dr. W. Watson.

Melampsora Allii-fragilis Kleb. on *Salix pentandra* : **16**, Roundstone, 8/'37 : Dr. R. L. Praeger ; **25**, Athlone, 9/'38.

M. Larici-populina Kleb. on *Populus* sp. : **1**, Westcove, 8/'43.

M. Tremulae Tul. on *Populus tremula* : **21**, Clondalkin, 11/'37 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41.

M. Euphorbiae Cast. on *Euphorbia hiberna* : **1**, Caherdaniel, 8/'43 : on *E. Peplus* : **7**, Aherlow, 8/'44 : on *E. Helioscopia* : **12**, Cahore, 8/'33 : Prof. J. Doyle ; **13**, Rathvilly, 7/'38 : **14**, Portarlington, 9/'43 : Prof. W. Kearney, M.R.C.V.S. ; **16**, Spiddal, 11/'44 : Mr. Tomás de Bhaldraithe, M.A. ; on *E. Peplus* : **26**, Cong, 8/'41.

M. Hypericorum Wint. on *Hypericum Androsaemum* : **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **9**, Burren, 7/'34 ; **17**, Clonbur, 8/'37 : Dr. R. L. Praeger ; **24**, Longford, 9/'38 ; **28**, Doonee, 5/'39.

M. Lini Desm. on *Linum catharticum* : **1**, Caherdaniel, 8/'43 ; **17**, Ashford, 8/'41 ; **20**, Blessington, 7/'35 ; **26**, Cong., 8/'41.

Melampsoridium Alni (Thüm.) Diet. on *Alnus rotundifolia* : **20**, Powerscourt, 11/'36 ; **21**, Tibradden, 9/'38 ; **24**, Longford, 9/'38.

M. betulinum Kleb. on *Betula pubescens* : **1**, Kenmare, 8/'43 ; **7**, Ballynacourty, 8/'44 ; **14**, Abbeyleix, 10/'37 ; on *B. alba* : **18**, Charleville, 10/'37 ; on *B. pubescens* : **21**, Killiney, 11/'38.

Melampsorella Caryophyllacearum Schröt. on *Stellaria graminea* : **21**, Howth, 8/'36 ; on *Cerastium vulgatum* : **26**, Cong, 8/'41 ; on *S. Holostea* : **31**, Baltray, 10/'35.

Pucciniastrum Agrimoniae Tranz. on *Agrimonia Eupatoria* : **7**, Cahir, 8/'44.

P. Circaeae Speg. on *Circaea lutetiana* : **7**, Ballynacourty, 8/'44 ; **14**, Abbeyleix, 10/'37 ; **18**, Charleville, 10/'37.

Thecopsora Vacciniorum Karst. on *Vaccinium Myrtillus* : **14**, Abbeyleix, 10/'37.

Milesia Polypodii B. White on *Polypodium vulgare* : **4**, Rochestown, 1/'48 ; **28**, Doonee, 5/'39 ; **29**, Sriff Cottage, 5/'39.

M. Scolopendrii (Fckl.) Arth. on *Phyllitis Scolopendrium* : **4**, Farran, 3/'37 ; **14**, Abbeyleix, 10/'37 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41 ; **28**, Doonee, 5/'39 ; **29**, Glenade, 5/'39.

M. murariae (Mag.) Faull on *Asplenium Ruta-muraria* : **18**, Charleville, 10/'37 ; **23**, Moydrum, 9/'38 ; **24**, Longford, 9/'38.

M. Blechni (Syd.) Arth. on *Blechnum Spicant* : **32**, Castleblayney, 5/'47.

M. vogesiaca* (Syd.) Faull on *Polystichum angulare* : **10, Puckane, 4/'33 ; **20**, Powerscourt, 5/'34 ; **29**, Glenade, 5/'39.

Ustilaginales

Ustilago violacea (Pers.) Wint. on *Stellaria graminea* : **13**, St. Mullins, 5/'39 : Dr. M. Coyle.

U. Scabiosae (Sow.) Wint. on *Scabiosa Succisa* : **10**, Abbeyleix, 10/'37.

U. longissima (Sow.) Tul. on *Glyceria aquatica* : **19**, Naas, 9/'34 ; Dr. R. L. Praeger.

Tilletia decipiens* (Pers.) Koern. on *Agrostis tenuis* : **1, Kenmare, 7/'98 : Dr. R. L. Praeger ; **2**, Killarney, 7/'86 : Dr. R. W. Scully ; **7**, Galtee Mountain, not dated : H. C. Hart ; **13**, Killedmond, 8/'98 : Dr. R. L. Praeger ; **14**, Cullenagh, 8/'97 : Dr. R. L. Praeger ; **16**, Renvyle, 7/1833 : R. J. Shuttleworth ; on *A. alba* : **23**, shore of Belvidere Lake, 6/'71 : A. G. More ; on *A. tenuis* : **26**, N.W. of Claremorris, 7/'00 : Dr. R. L. Praeger ; **27**, Clare Island, 7/'03 : Dr. R. L. Praeger ; **29**, Sea-coast, 8/'97 : Dr. R. L. Praeger ; **35**, Tory Island, 7/'77 : R. M. Barrington ; **36**, near Omagh, 7/'96 : Miss M. C. Knowles ; **38**, Newcastle, 7/'86 : S. A. Stewart ; on *A. alba* : **39**, Stoneyford, 8/'88 : Dr. R. L. Praeger ; on *A. tenuis* : **40**, Beneveragh, 7/'92 : Dr. R. L. Praeger.

Entyloma Ranunculi Schröt. on *Ranunculus Ficaria* : **20**, The Dargle, 4/'35 ; **28**, Swiss Valley, 5/'39.

E. Helosciadii Magn. on *Sium erectum* : **7**, Aherlow, 8/'44.

Sphacelotheca Hydropiperis (Schum.) De Bary on *Polygonum Hydropiper* : **1**, Morley's Bridge, 8/'43 ; **3**, Leap, 8/'45.

Cintractia Caricis (Pers.) Magn. on *Carex riparia* : **22**, Oldbridge, 6/'43 : Mr. J. P. Brunker.

ASCOMYCETES

Pyrenomycetes

Perisporiales

Erysiphe graminis DC. on *Triticum vulgare* : **17**, Ashford, 8/'41.

E. Polygoni DC. on *Angelica sylvestris* : **4**, Farnanes, 8/'40 ; on *Heracleum Sphondylium* : **5**, Garryvoe, 8/'40 ; on *Arctium* sp. **6**, Ring, 10/'33 ; **12**, Cahore, 8/'33 : Prof. J. Doyle, D.Sc. ; **20**, Blessington, 8/'41 ; on *Angelica sylvestris* : **25**, Athlone, 9/'38 ; on *Cynoglossum officinale* : **31**, Baltray, 10/'35.

Microsphaera Alni Wint. on *Betula alba* : **13**, Borris, 10/'35 : Dr. M. Coyle ; on *Alnus rotundifolia* : **22**, Dunboyne, 11/'35.

Phyllactinia corylea (Pers.) Karst. on *Fagus sylvatica* : **13**, Borris, 10/'35 : Dr. M. Coyle ; on *Fraxinus excelsior* : **18**, Charleville, 10/'37 ; on *Betula alba* : **20**, Glendalough, 10/'36 ; on *Corylus Avellana* : **22**, Dunboyne, 11/'35.

Podosphaera Oxyacanthae de Bary on *Prunus domestica* : **4**, Farnanes, 8/'40 ; **17**, Cong, 8/'41.

P. tridactyla (Wallr.) de Bary on *Prunus spinosa* : **21**, Carrickmines, 10/'32.

Sphaerotheca Humuli (DC.) Burr. on *Epilobium hirsutum* : **7**, Cahir, 6/'44 ; on *Plantago lanceolata* : **17**, Ashford, 8/'41 ; on *Potentilla Anserina* : **23**, Donboyne, 11/'35 ; **30**, Belturbet, 10/'35 : Mr. W. T. McHugh.

Uncinula Aceris DC. on *Acer pseudo-platanus* : **1**, Caragh Lake, 8/'40 ; **4**, Farnanes, 8/'40 ; **26**, Ashford, 8/'41 ; **31**, Baltray, 10/'35.

Lasiobotrys Lonicerae* Kze. & Schm. on *Lonicera Periclymenum* : **17, Ashford, 8/'41.

Mycogala macrospora* Jaap on dung : **21, Rathmines, 5/'35 : Mr. S. W. Webb.

Asterina Veronicae (Lib.) Cooke on *Veronica officinalis* : **32**, Castleblayney, 5/'47.

Sphaeriales

Diatrype stigma (Hoffm.) Fr. on *Crataegus Oxyacantha* : **21**, Killakee, 5/'35 ; **22**, Clones, 6/'35 ; **32**, Castleblayney, 6/'35.

Diatrypella quercina (P.) Cooke on *Quercus Robur* : **14**, Abbeyleix, 10/'37.

Valsella polyspora* (Nits.) Sacc. on *Betula alba* : **20, Glendalough, 10/'36.

Laestadia Buxi Sacc. on *Buxus sempervirens* : **4**, Farran, 3/'37.

Anthostoma Xylostei* Sacc. on *Lonicera Periclymenum* : **20, Dargle, 4/'36 ; **21**, Kilternan, 3/'36.

Daldinia concentrica (Bolton) Ces. & De Not. on wood : **3**, Enniskeane, 1/'44 : Mr. T. Shea ; on *Carpinus Betulus* : **23**, Hyde Park, 6/'48 : Mr. F. C. Hassell.

Hypoxylon coccineum Bull. on *Betula alba* : **2**, Killarney, 6/'35 ; on *Fagus sylvatica* : **3**, Glandore, 7/'45 ; on *Betula* : **7**, Fethard, 2/'46 : Mrs. Hughes ; on *Fagus sylvatica* : **21**, Clondalkin, 11/'37.

H. fuscum (Pers.) Fr. on *Corylus Avellana* : **28**, Doonee, 5/'39.

Xylaria carpophila (Pers.) Fr. on *Fagus sylvatica* : **10**, Castle Lough, 9/'44 : Mr. G. E. Gill, B.L.

X. Hypoxylon (L.) Grev. on wood : **14**, Abbeyleix, 10/'37 ; on *Fagus* : **32**, Castleblayney, 5/'47.

Diaporthe cryptica* Nits. on *Lonicera Periclymenum* : **20, Newcastle, 5/'35.

Diaporthe eres* Nits. on *Rubus fruticosus* : **20, The Dargle, 4/'35.

D. leiphaemia* (Fr.) Sacc. on *Quercus Robur* : **20, The Dargle, 4/'35 ; **32**, Castleblayney, 5/'47.

Melanconis stilbostoma* (Fr.) Tul. on *Betula alba* : **1, West Cove, 8/'43.

Mycosphaerella Clymenia (Sacc.) Oud. on *Lonicera Periclymenum* : **14**, Abbeyleix, 10/'37.

M. depazeaeformis (Awd.) Lind. on *Oxalis Acetosella* : **26**, Cong, 8/'41.

M. isariphora (Desm.) Johanson on *Stellaria Holostea* : **20**, Glen of the Downs, 4/'39 : Dr. M. Coyle ; **22**, Dunboyne, 11/'35 ; **24**, Longford, 9/'38.

M. lineolata* (Rob. & Desm.) Schroet. on *Ammophila arenaria* : **31, Baltray, 10/'35.

M. Plantaginis* (Sollm.) Vestergr. on *Plantago maritima* : **3, Glandore, 7/'45.

M. punctiformis (Pers.) Starb. on *Quercus sessiliflora* : **3**, Glengarriff, 4/'38 : Prof. J. Doyle, D.Sc.

M. Rumicis (Desm.) Grove on *Rumex* : **26**, Cong, 8/'41 ; **32**, Castleblayney, 5/'47.

Otthia populina* (Pers.) Fckl. on *Fraxinus excelsior* : **21, Kilternan, 3/'36.

Calospora platanoides (Pers.) Niessl. on *Acer Pseudo-platanus* : **20**, Dargle, 4/'39.

Massarina eburnea* (Tul.) Sacc. on *Fagus sylvatica* : **1, Kenmare, 12/'34 ; **21**, Kilmashogue, 4/'36.

Melomastia mastoidea* (Fr.) Schroet. on *Hedera Helix* : **20, Killakee, 5/'35.

Leptosphaeria acuta Karst. on *Urtica dioica* : **22**, Dunboyne, 3/'36 ; **28**, Annacoona, 5/'39 ; **29**, Drumahaire, 5/'39.

L. agnita* (Desm.) Ces. & De Not. on *Eupatorium cannabinum* : **21, Ballycorus, 6/'36.

L. derasa* (Berk. & Br.) Thüm. on *Senecio Jacobaea* : **20, Blessington, 8/'41.

L. dolioloides* (Auersw.) Karst. on *Centaurea nigra* : **21, Slade of Saggart, 4/'39.

L. Doliolum (Pers.) De Not. on *Fraxinus excelsior* : **20**, Dargle, 6/'40.

L. littoralis* Sacc. on *Ammophila arenaria* : **31, Baltray, 10/'35.

L. uliginosa* (Phill. & Plowr.) Sacc. on *Stellaria graminea* : **20, Avondale, 10/'32.

Melanomma fuscidulum* Sacc. on *Lonicera Periclymenum* : **20, Newcastle, 5/'35.

M. Pulvis-pyrius (P.) Fckl. on *Calluna vulgaris* : **22**, Mullingar, 7/'35.

Pleospora herbarum (Pers.) Rab. on *Lunaria biennis* : **1**, Westcove, 8/'43 ; on *Ulex europaeus* : **3**, Lough Ine, 8/'40 ; on *Plantago lanceolata* : **11**, Birchfield, 10/'33 ; on *Galium Aparine* : **19**, Leixlip, 3/'36 ; on *Rumex* sp. : **20**, Dollymount, 6/'48 : Dr. J. O'Connor.

P. herbarum fa. *Armeriae* Sacc. on *Armeria pubescens* : **21**, Killiney, 10/'35.

Ophiobolus acuminatus* (Sow.) Duby on *Cnicus lanceolatus* : **20, Powerscourt, 4/'35 ; **21**, Clonsilla, 6/'34 ; on *C. arvensis* : **32**, Castleblayney, 6/'35.

O. rubellus (Pers.) Sacc. on *Arctium* sp. : **20**, Powerscourt, 5/'36 ; on *Rumex* sp. : **21**, Dollymount, 6/'48 : Dr. J. O'Connor.

Sillia ferruginea Karst. on *Corylus Avellana* : **20**, Dargle, 4/'36.

Hypocreales

Claviceps purpurea (Fr.) Tul. on *Dactylis glomerata* : **5**, Ballinacurra, 8/'37 : Mr. Challoner ; on *Molinia coerulea* : **7**, Glen of Aherlow, 9/'43 : Mr. A. W. Stelfox ; on *Hordeum sativum* : **19**, Athy, 8/'37 : Mr. Challoner ; on *Lolium perenne* : **22**, Dunshaughlin, 7/'37.

Cordyceps ophioglossoides Link on *Elaphomyces variegatus* : **20**, Blessington, 9/'39.

Dothideales

Systremma Ulmi (Duval) Theiss. on *Ulmus campestris* : **10**, Roscrea, 10/'43 : Mr. D. A. Quirke, M.Sc.

Phyllachora graminis (Pers.) Fckl. on *Brachypodium sylvaticum* : **12**, Roney Point, 8/'33 : Prof. J. Doyle, D.Sc. ; on *Dactylis glomerata* : **13**, Rathvilly, 8/'37 ; on *Festuca ovina* : **14**, Abbeyleix, 10/'37 ; on *D. glomerata* : **17**, Ashford, 8/'41 ; **23**, Moydrum, 9/'38 ; **24**, Longford, 9/'38 ; **31**, Baltray, 10/'35.

Rhopographus filicinus (Fr.) Fckl. on *Pteridium* : **7**, Clogheen, 6/'35 ; **32**, Castleblayney, 5/'47.

Microthyriales

Stigmatea Robertiani Fr. on *Geranium Robertianum* : **11**, Birchfield, 10/'33 ; **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **18**, Charleville, 10/'37 ; **24**, Longford, 9/'38 ; **26**, Cong, 8/'41 ; **28**, Magheraboy, 5/'39.

Hysteriales

Gloniopsis Vaccinii* (Carm.) Boughey on *Vaccinium Myrtillus* : **1, Parknasilla, 4/'34.

Hysterium angustatum (Alb. & Schw.) Chev. on *Prunus spinosa* : **21**, Carrickmines, 6/'36.

H. pulicare P. on *Crataegus Oxyacantha* : **20**, Blessington, 9/'39.

Hysterographium Fraxini (Pers.) De Not. on *Cornus sanguinea* : **19**, Carton, 4/'36 ; on *Fraxinus excelsior* : **20**, Powerscourt, 3/'36 ; **21**, Clonsilla, 3/'36.

Lophodermium arundinaceum (Schrad.) Chev. on *Ammophila arenaria* : **21**, North Bull, 7/'35.

L. cladophilum* (Lév.) Rehm. on *Vaccinium Myrtillus* : **20, Dargle, 4/'35.

Phacidium multivalve Kze. & Schum. on *Ilex Aquifolium* : **21**, Kelly's Glen, 4/'33.

Trochila Ilicis Crouan on *Ilex Aquifolium* : **1**, Caragh Lake, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **28**, Doonee, 5/'39.

T. Laurocerasi Fr. on *Prunus Laurocerasus* : **32**, Castleblayney, 5/'47.

Clithris quercina* (P.) Fr. on *Quercus Robur* : **12, Courtown, 6/'35 ; **20**, Dargle, 4/'35 ; **21**, Stillorgan, 4/'35 ; on *Quercus* : **32**, Castleblayney, 5/'49.

Discomycetes

Taphridium Umbelliferarum Lag. & Juel on *Heracleum Sphondylium* : **25**, Rockingham, 5/'40 : Mr. F. C. Hassell ; **28**, Magheraboy, 5/'39.

Taphrina Tosquineti (West.) Magn. on *Alnus rotundifolia* : **3**, Glandore, 7/'45 ; **4**, Farnanes, 8/'40 ; **17**, Ashford, 8/'41 ; **20**, Powerscourt, 10/'35 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41 ; **29**, Sriff Cottage, 5/'39 ; **32**, Castleblayney, 5/'47.

T. aurea (Pers.) Fr. on *Populus tremula* : **3**, Ballymakeera, 8/'43 ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **19**, Leixlip, 8/'36 ; **20**, Blessington, 8/'38 ; **21**, Howth, 8/'36 ; **25**, Athlone, 9/'38.

Exoascus Alni-incanae (Kühn) P. Magn. on *Alnus rotundifolia* : **3**, Glandore, 8/'40 ; **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **20**, Blessington, 8/'38 ; **26**, Cong, 8/'41.

Endomyces decipiens (Tul.) Rees on *Armillaria mellea* : **24**, Longford, 9/'38.

Abrothallus Parmeliarum (Sommerf.) Nyl. on *Parmelia caperata* : **4**, Rochestown, 1/'48.

Rhytisma acerinum Fr. on *Acer Pseudo-platanus* : **4**, Farnanes, 8/'40 ; **7**, Aherlow, 8/'44 ; **8**, Galbally, 8/'44 ; **17**, Ashford, 8/'41 ; **22**, Dowth, 7/'33 ; **26**, Cong, 8/'41 ; **31**, Baltray, 10/'35.

R. salicinum (Pers.) Fr. on *Salix cinerea* : **7**, Ballynacourty, 8/'44 ; on *Salix* : **10**, Roscrea, 10/'43 : Mr. D. A. Quirke, M.Sc.

Pseudopeziza Trifolii Fckl. on *Trifolium pratense* : **17**, Ashford, 8/'41 ; **19**, Leixlip, 8/'36 ; **22**, Lagore, 7/'37.

P. Medicaginis (Lib.) Sacc. on *Medicago lupulina* : 22, Dunshaughlin, 7/'37.

P. repanda* Sacc. on *Galium* sp. : **21, Dingle, 10/'32.

Fabraea Rousseauana Sacc. on *Caltha palustris* : **7**, Ballynacourty, 8/'44 ; **23**, Mullingar, 7/'35.

F. Ranunculi Karst. on *Ranunculus repens* : **2**, Killarney, 9/'36 ; **14**, Abbeyleix, 10/'37 ; **22**, Dunboyne, 11/'35.

Mollisia cinerea (Batsch.) Karst. on *Calluna vulgaris* : **7**, Clogheen, 6/'35.

M. Ulicis* Feltg. on *Ulex europaeus* : **21, Killakee, 5/'35.

Pyrenopeziza Plantaginis Fckl. on *Plantago major* : **21**, Howth, 8/'36.

Helotium discretum* Karst. on *Urtica dioica* : **32, Castleblayney, 6/'35.

Phialea Scutula Karst. on *Cnicus* sp. : **12**, Courtown, 6/'35.

P. Urticae* (P.) Sacc. on *Urtica dioica* : **20, Blessington, 7/'35 ; **21**, Ticknock, 4/'39.

Pezizella pteridina* (Karst.) Rehm. on *Pteridium* : **2, Killarney, 6/'35 ; **7**, Clogheen, 6/'35 ; **12**, Courtown, 6/'35 ; **20**, Powerscourt, 5/'36 ; **21**, Howth, 7/'35.

Hyaloscypha vitreola* (Karst.) Boud. on peat : **21, Glassamucky, 8/'47.

Chlorosplenium aeruginosum (Oeder) de Not. on *Quercus* : **7**, Aherlow, 8/'44 ; **18**, Tullamore, 10/'37.

Hymenoscypha virgultorum (Vahl) Phill. on *Fagus sylvatica* : **10**, Castlelough, 9/'44 : Mr. G. E. Gill, B.L.

Sphaerospora trechispora (B. & Br.) Sacc. on soil : **16**, Gentian Island, **11**/'34 : Prof. T. Dinan.

Dasyscypha bicolor Fckl. on *Crataegus Oxyacantha* : **22**, Clonee, 6/'35.

D. calyciformis (Fr.) Rehm. on *Pinus sylvestris* : **7**, Bansha, 12/'45 : Mr. D. Quirke, M.sc. ; **14**, Ballinakill, 12/'43 : Mr. D. Quirke, M.sc.

D. pygmaea* (Fr.) Sacc. on *Ulex europaeus* : **21, Howth, 5/'35.

Humaria calichroa* Boud. on soil : **2, Killarney, 6/'35 ; **20**, Powerscourt, 10/'33.

H. fusispora* (Berk.) Cooke on Peat : **21, Tibradden, 9/'38.

Aleuria vesiculosa (Bull.) Fr. on soil : **18**, Clara, 4/'45 : Mr. Keith Lamb.

Sarcoscypha coccinea (Jacq.) Fr. on *Corylus Avellana* : **17**, Woodlawn, 3/'40 : Hon. Robert Trench ; on wood : **23**, Multyfarnham, 2/'41 : Miss G. Morony.

Otidea leporina (Batsch) Fckl. on soil under Spruce : **6**, Seskin, 10/'42 : Miss I. Grubb.

O. onotica (Pers.) Fckl. on soil : **20**, Powerscourt, 11/'43 : Miss Helen Doyle.

Aleurina Empetri* (Rostr.) Sacc. & D. Sacc. on *Empetrum nigrum* : **20, Tonelagee, 7/'36 ; **21**, Killakee, 4/'38.

Helvella crispa Fr. on soil : **18**, Tullamore, 10/'37.

H. elastica Bull. on soil : **18**, Clara, 4/'45 : Mr. Keith Lamb.

Gyromitra Phillipsii* Mass. on soil : **21, Dartry, 11/'44 : Mr. F. C. Hassell.

Mitrula phalloides (Bull.) Chev. on soil : **16**, Recess, 4/'46 : Prof. T. J. Dinan.

Hemiasceae

Protomyces macrosporus Ung. on *Aegopodium Podagraria* : **7**, Ballynacourty, 9/'44 ; **8**, Galbally. 8/'44 ; on *Sium erectum* : **13**, Rathvilly, 8/'37 ; on *A. Podagraria* : **17**, Ashford, 8/'41 ; **18**, Charleville Park, 10/'37 ; **22**, Dunboyne, 11/'35 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41 ; **29**, Drumahaire, 5/'39.

PHYCOMYCETES

Synchytrium Taraxaci de Bary & Wor. on *Taraxacum vulgare* : **18**, Charleville Park, 10/'37 ; **28**, Magheraboy, 5/'39.

Cladochytrium Alismatis* Büsgen on *Alisma Plantago-aquatica* : **3, Union Hall, 8/'40.

Physoderma vagans Schröt. on *Sium erectum* : **7**, Cahir, 8/'44 ; **20**, Blessington, 6/'37.

Cystopus candidus (Pers.) Lév : on *Barbarea vulgaris* : **1**, Tralee, 3/'43 : Mr. T. Scanlon ; on *Capsella Bursa-pastoris* : **13**, Rathvilly, 8/'37 ; on *Cardamine hirsuta* : **14**, Abbeyleix, 10/'37 ; on *C. Bursa-pastoris* : **24**, Longford, 9/'38 ; on *Sisymbrium officinale* : **32**, Castleblayney, 5/'47.

C. Tragopogonis (Pers.) Schroet. on *Cnicus arvensis* : **13**, Rathvilly, 8/'37 ; on *Tragopogon porrifolius* : **23**, Athlone, 6/'32 : Mr. J. Doherty, M.sc.

Plasmopara nivea Schröt. on *Angelica sylvestris* : **26**, Cong, 8/'41.

P. pygmaea Schroet. on *Anemone nemorosa* : **28**, Lough Gill, 5/'39.

P. densa Schroet. on *Bartsia Odontites* : **13**, Rathvilly, 8/'37 ; on *Euphrasia officinalis* : **17**, Ashford, 8/'41 ; on *B. Odontites* : **19**, Leixlip, 8/'36 ; **20**, Greystones, 8/'36 ; **26**, Cong, 8/'41.

Bremia Lactucae Regel. on *Sonchus oleraceus* : **1**, Caragh Lake, 8/'40 ; **7**, Aherlow, 8/'44 ; on *S. arvensis* : **17**, Ashford, 8/'41 ; on *Senecio vulgaris* : **20**, Blessington, 6/'37 ; on *Lapsana communis* : **21**, Malahide, 7/'36 ; on *Centaurea nigra* : **25**, Athlone, 9/'38 ; on *Sonchus oleraceus* : **26**, Cong, 8/'41 ; on *Lapsana communis* : **32**, Castleblayney, 5/'47.

Peronospora calotheca De Bary on *Galium Aparine* : **19**, Charleville Park, 10/'37.

P. Alsinearum Casp. on *Cerastium* : **7**, Aherlow, 8/'44 ; on *Spergula vulgaris* : **13**, Rathvilly, 8/'37 ; on *Cerastium* : **17**, Ashford, 8/'41 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38.

P. Viciae Casp. on *Vicia sepium* : **21**, Malahide, 7/'36 ; on *Lathyrus palustris* : **26**, Cong, 8/'41.

P. leptosperma De Bary on *Matricaria inodora* : **21**, Malahide, 7/'36.

P. Trifoliorum De Bary on *Lotus corniculatus* : **1**, Westcove, 8/'43 ; **15**, Ashford, 8/'41 ; on *Medicago lupulina* : **19**, Leixlip, 8/'36 ; on *L. corniculatus* : **20**, Greystones, 8/'36.

P. affinis Rossm. on *Fumaria officinalis* : **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41.

P. effusa Rab. on *Chenopodium album* : **3**, Glandore, 7/'45 ; **20**, Blessington, 6/'37 ; **22**, Lagore, 7/'37 ; **29**, Drumahaire, 5/'39 ; **32**, Castleblayney, 5/'47.

P. grissa Unger on *Veronica Beccabunga* : **1**, Morley's Bridge, 8/'43 ; **8**, Galbally, 8/'44 ; **13**, Rathvilly, 8/'37 ; **22**, Dunshaughlin, 7/'37 ; **24**, Longford, 9/'38 : on *V. serpyllifolia* : **32**, Castleblayney, 5/'47.

P. Linariae Fckl. on *Linaria Cymbalaria* : **19**, Leixlip, 8/'36.

P. Ficariae Tul. on *Ranunculus Ficaria* : **19**, Carton, 5/'35 ; on *R. repens* : **29**, Drumahaire, 5/'39 ; on *R. acris* : **32**, Castleblayney, 5/'47.

P. Urticae Caspary on *Urtica dioica* : **1**, Westcove, 8/'43.

P. alta Fckl. on *Plantago major* : **3**, Leap, 7/'45 ; **7**, Ballynacourty, 8/'44 ; **8**, Newcastle West, 9/'36 ; **15**, Ashford, 8/'41 ; **20**, Bray, 7/'36 ; **21**, Donnybrook, 8/'36 ; **22**, Lagore, 7/'37 ; **26**, Cong, 8/'41 ; **28**, Magheraboy, 5/'39 ; **29**, Carrick-on-Shannon, 5/'39.

P. sordida Berk. on *Scrophularia nodosa* : **14**, Abbeyleix, 10/'37 ; **20**, Burgage, 9/'39 ; on *Bartsia Odontites* : **22**, Dunshaughlin, 7/'37 ; on *S. aquatica* : **26**, Cong., 8/'41.

Empusa muscae F. Cohn on *Beris chalybeata* : **19**, Carton, 5/'48 : Mr. A. W. Stelfox ; on *Hydrotea irritans* : **20**, Blessington, 8/'37.

Entomophthora sphaerosperma Fres. on *Pieris* sp. : **20**, Blessington, 10/'37.

FUNGI IMPERFECTI

Sphaeropsidales

Phyllosticta Angelicae* Sacc. on *Angelica sylvestris* : **21, Glenasmole, 11/'32.

P. Arbuti* Sacc. on *Arbutus unedo* : **28, Doonee, 5/'39.

P. hederaecola Dur. & Mont. on *Hedera Helix* : **5**, Glanmire, 8/'43 ; **7**, Aherlow, 8/'44 ; **25**, Athlone, 9/'38.

P. Lauri* Westd. on *Laurus nobilis* : **17, Ashford, 8/'41.
P. Lonicerae* Westd. on *Lonicera Periclymenum* : **21, Stillorgan, 10/'35.
P. mahoniana* All. on *Berberis Mahonia* : **17, Ashford, 8/'41.
P. Rhododendri* Westd. on *Rhododendron* : **20, Powerscourt, 5/'36.
P. Grossulariae* Sacc. on *Ribes nigrum* : **4, Farnanes, 8/'40.
Phoma complanata* Desm. on *Heracleum Sphondylium* : **20, Powerscourt, 10/'35 ; **21**, Dingle, 4/'33 ; **31**, Baltray, 10/'35.
P. herbarum Westd. on *Digitalis purpurea* : **1**, Westcove, 8/'43 ; **4**, Rochestown, 1/'48 ; on *Galium Aparine* : **5**, Glanmire, 8/'43 ; on *Sambucus nigra* : **19**, Carton, 4/'36 ; on *Geum urbanum* : **20**, Powerscourt, 5/'36 ; on *Senecio Jacobaea* : **21**, Stepaside, 1/'36 ; on *Galium Aparine* : **22**, Clonee, 6/'35.
P. leguminum* Westd. on *Spartium junceum* : **21, Ranelagh, 5/'36.
P. oleracea Sacc. on *Brassica arvensis* : **13**, Rathvilly, 8/'37 ; on *Scrophularia nodosa* : **20**, Powerscourt, 5/'36 ; on *Sisymbrium Alliaria* : **21**, Kilternan, 4/'36.
P. berberidicola* Vestergr. on *Berberis vulgaris* : **21, Rathfarnham, 3/'38.
P. Betae Frank on *Beta maritima* : **21**, Sutton, 4/'39.
P. vulgaris Sacc. on *Clematis vitalba* : **19**, Carton, 4/'36 ; **26**, Cong, 8/'41.
P. strobiligena* Desm. on *Pinus sylvestris* : **5, Dunkettle, 8/'43 ; **20**, Glendalough, 10/'36.
P. hysterella* Sacc. on *Taxus baccata* : **26, Cong, 8/'41.
P. Onagracearum* Cooke on *Epilobium hirsutum* : **19, Leixlip, 7/'33.
P. samararum on *Fraxinus excelsior* : **4**, Rochestown, 1/'48 ; **32**, Castleblayney, 5/'47.
P. Ilicis* Desm. on *Ilex Aquifolium* : **21, Lucan, 2/'36 : Dr. M. Coyle.
P. Xylostei* Cooke & Harkn. on *Lonicera Periclymenum* : **21, Tibradden, 6/'36.
P. salicina* Westd. on *Salix* : **4, Rochestown, 1/'48.
P. exigua Desm. on *Sambucus nigra* : **21**, Lucan, 3/'36.
P. Statices* Tassi on *Limonium humile* : **21, North Bull, 6/'41.
P. Urticae Sch. & Sacc. on *Urtica dioica* : **4**, Rochestown, 1/'48 ; **10**, Puckane, 4/'33 ; **18**, Turraun, 4/'33 ; **21**, Milltown, 4/'33 ; **26**, Cong, 8/'41 ; **28**, Annacoona, 5/'39.
P. Ammophilae* Dur. & Mont. on *Ammophila arenaria* : **31, Baltray, 10/'35.
Cicinnobolus Cesatii* de Bary on *Oidium* of *Pyrus Malus* : **21, Rathfarnham, 7/'41 ; Mr. P. F. Leyden.
C. Hieracii* Bubak on *Hypochaeris radicata* : **21, Howth, 7/'35.
Phomopsis coneglanensis* Trav. on *Aesculus Hippocastanum* : **20, Powerscourt, 5/'36.
P. occulta* Trav. on *Pinus contorta* : **7, Clonmel, 9/'47 : Mr. D. A. Quirke, M.Sc.
P. ramealis* Died. on *Euonymus europaeus* : **2, Killarney, 6/'35.
P. rudis* v. Höhn. on *Cytisus Laburnum* : **4, Rochestown, 1/'48.
P. brachyceras* Grove on *Ligustrum vulgare* : **19, Carton, 4/'36.
P. padina* Died. on *Prunus Cerasus* : **21, Rathgar, 3/'44.
P. salicina* Died. on *Salix* sp. : **21, Tibradden, 5/'36.
Dothiorella fraxinea Sacc. & Roum. on *Fraxinus excelsior* : **21**, Greenhills, 3/'36.
Cytospora ambiens Sacc. on *Fraxinus excelsior* : **1**, Westcove, 8/'43 ; on *Salix repens* : **12**, Cahore, 7/'35 : Prof. J. Doyle ; on *F. excelsior* : **19**, Carton, 4/'36.

C. horrida* Sacc. on *Betula alba* : **20, Killegar, 6/'36.
C. pruinosa* Sacc. on *Fraxinus excelsior* : **20, Blessington, 8/'41.
C. ilicina* Sacc. on *Ilex Aquifolium* : **20, The Dargle, 5/'35.
C. rubescens* Tul. on *Sorbus Aucuparia* : **21, Stepaside, 9/'36.
C. Prunorum* Sacc. & Syd. on *Prunus Laurocerasus* : **20, The Dargle, 7/'36 ; on *P. spinosa* : **21**, Kilmashogue, 3/'38.
C. microstoma Sacc. on *Prunus spinosa* : **3**, Glandore, 8/'45.
C. carphosperma Fr. on *Tilia vulgaris* : **4**, Douglas, 8/'40 ; **21**, Firhouse, 3/'44.
Ceuthospora Euonymi* Grove on *Euonymus japonicus* : **21, Rathgar, 9/'42.
C. phacidioides* Grev. on *Ilex Aquifolium* : **10, Puckane, 4/'33 ; **20**, Kilmacurragh, 1/'33.
Ascochyta Betae* Prill. & Delacr. on *Beta maritima* : **21, Sutton, 4/'39.
A. Kabatiana* Trott. on *Cytisus Laburnum* : **21, Ranelagh, 4/'36.
A. Heraclei Bres. on *Heracleum Sphondylium* : **20**, Blessington, 10/'37.
A. vulgaris* Kab. & Bub. on *Lonicera Periclymenum* : **16, Ashford, 8/'41.
A. Plantaginis* Sacc. & Speg. on *Plantago major* : **13, Rathvilly, 8/'37.
A. Equiseti* Grove on *Equisetum palustre* : **20, Blessington, 7/'35 ; on *E. arvense* : **21**, Malahide, 10/'32.
Stagonosporopsis Salicorniae* Died. on *Salicornia herbacea* : **21, North Bull, 6 '41.
Ascochytula deformis* Grove on *Clematis Vitalba* : **21, Milltown, 5/'36.
A. Symphoricarpi Died. on *Symporicarpus racemosus* : **20**, Dargle, 4/'36.
Diplodina Malvae* Togn. on *Lavatera arborea* : **21, Donabate, 5/'39.
Darluca Filum Cast. on *Puccinia annularis* : **3**, Glandore, 7/'45; on *P. Menthae* : **8**, Galbally, 8/'44 ; on *Arrhenatherum elatius* : **13**, Rathvilly, 8/'37 ; on *Kuehneola albida* : **14**, Abbeyleix, 10/'37 ; on *P. Taraxaci* : **18**, Charleville Park, 10/'37 ; on *Holcus lanatus* : **22**, Dunboyne, 11/'35 ; on *P. Taraxaci* : **23**, Moydrum, 9/'38 ; on *Uromyces Betae* : **31**, Baltray, 10/'35.
D. genistalis Sacc. on *Uromyces Anthyllidis* : **20**, Blessington, 7/'37.
Stagonospora Calystegiae Grove on *Calystegia sepium* : **3**, Leap, 7/'45 ; **18**, Charleville Park, 10/'37.
Septoria Apii Chester on *Apium graveolens* : **8**, by the Shannon, 8/'43 : Miss E. F. Bond.
S. Unedonis Rob. & Desm. on *Arbutus Unedo* : **20**, Dargle, 4/'36 ; **26**, Cong, 8/'41 ; **28**, Doonee, 5/'39.
S. Betae* West. on *Beta maritima* : **21, Portmarnock, 7/'36.
S. Armoraciae* Sacc. on *Cochlearia officinalis* : **21, Sutton, 11/'32.
S. Chrysanthemi Allesch. on *Chrysanthenum Leucanthemum* : **6**, Ring, 10/'33.
S. Convolvuli Desm. on *Calystegia sepium* : **1**, Westcove, 8/'43 ; **3**, Glandore, 7/'45 ; **4**, Farnanes, 8/'33 ; **6**, Ballyduff, 6/'35 ; **14**, Abbeyleix, 10/'37 ; **21**, Malahide, 10/'32 ; **22**, Dunshaughlin, 7/'37 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41.
S. Hederae Desm. on *Hedera Helix* : **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41 ; **28**, Doonee, 5/'39.
S. Hyperici* Rob. & Desm. on *Hypericum tetrapterum* : **26, Cong, 8/'41.
***S. Cymbalariae* Sacc. & Speg. on *Linaria Cymbalaria* : **3**, Glandore, 7/'45.

S. minuta Schröt. on *Luzula sylvatica* : 20, Glen of the Downs, 4/'39 : Dr. M. Coyle ; **26**, Cong, 8/'41.

S. Lysimachiae* Westd. on *Lysimachia vulgaris* : **17, Ashford, 8/'41 ; **26**, Cong, 8 '41.

***S. Orchidearum* West. on *Listera ovata* : **14**, Ballybrittas, 7/'33 ; on *Orchis Fuchsii* : **23**, Mullingar, 7/'35.

S. Polygonorum Desm. on *Polygonum Persicaria* : **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **20**, Blessington, 8/'37.

S. Primulae* Bucknall on *Primula vulgaris* ; **12, Courtown, 6/'35.

S. Ficariae Desm. on *Ranunculus Ficaria* : 25, Rockingham, 5/'40 : Mr. F. C. Hassell ; **28**, Magheraboy, 5/'39 ; **32**, Castleblayney, 5/'47.

S. Ribis* Desm. on *Ribes nigrum* : **4, Farnanes, 8/'40.

S. Rosae Desm. on *Rosa canina* : **19**, Leixlip, 8/'36.

S. Rubi West. on *Rubus fruticosus* : **3**, Glandore, 8/'40 ; **4**, Farran, 3/'37 ; **16**, Recess, 7/'35 ; **18**, Charleville, 10/'37 ; **21**, Malahide, 7/'36 ; **22**, Dunboyne, 11/'35 ; **24**, Longford, 9/'38.

S. scabiosaecola Desm. on *Scabiosa Succisa* : **1**, Inny Ferry, Mrs. M. Grogan, B.A. ; **4**, Farnanes, 8/'40 ; **13**, Rathvilly, 8/'37 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41 ; **28**, Doonee, 5/'39 ; **29**, Sriff Cottage, 5/'39.

S. quevillensis* Sacc. on *Spirea Ulmaria* : **21, Sutton, 11/'32.

S. Stachydis Rob. & Desm. on *Stachys sylvatica* : **14**, Abbeyleix, 10/'37 ; **23**, Moydrum, 9/'38 ; **24**, Longford, 9/'38.

S. Stellariae Rob. on *Stellaria media* : **14**, Mountmellick, 12/'33 : Mr. R. A. Phillips ; **17**, Ashford, 8/'41 ; **21**, Kilternan, 3/'34.

S. Veronicae Desm. on *Veronica* sp. **3**, Glandore, 8/'40.

Phleospora Pseudoplatani* Bubak on *Acer Pseudo-platanus* : **1, Caragh Lake, 8/'40 ; **3**, Union Hall, 8/'40 ; **7**, Aherlow, 8/'44 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **29**, Sriff Cottage, 5/'39.

P. Aegopodii Desm. on *Aegopodium Podagraria* : **1**, Caragh Lake, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **18**, Charleville, 10/'37 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38 ; **29**, Drumahaire, 5/'39.

Rhabdospora pleosporoides Sacc. on *Angelica sylvestris* : **17**, Headford, 7/'34.

R. pachyderma* Kab. & Bud. on *Plantago lanceolata* : **11, Birchfield, 10/'33.

Coniothyrium Ribis* Brun. on *Ribes Grossularia* : **21, Harold's Cross, 5/'35.

C. Sarothamni Sacc. on *Cytisus scoparius* : **20**, Glendalough, 10/'36.

Microdiplodia Narthecii All. on *Narthecium ossifragum* : **1**, Westcove, 8/'43.

Diplodia ramulicola* Desm. on *Euonymus europaeus* : **21, Terenure, 3/'48.

D. inquinans* Westd. on *Fraxinus excelsior* : **21, Clonskeagh, 6/'36.

D. Ligustri* Westd. on *Ligustrum vulgare* : **21, Kilmashogue, 4/'36.

D. Pinastri Grove on *Pinus sylvestris* : **26**, Cong, 8/'41.

D. salicina Lév. on *Salix* sp : **21**, Castlekelly, 3/'44.

Camarosporium Obiones* Jaap on *Beta maritima* : **21, Sutton, 4/'39.

Camarographium metableticum* Grove on *Ammophila arenaria* : **31, Baltray, 10/'35.

Discella strobilina Died. on *Pinus insignis* : **3**, Glandore, 8/'40 ; on *Picea excelsa* : **7**, Ballinacourty, 8/'44.

Leptothyrium asterinum* B. & Br. on *Aster Tripolium* : **21, Dollymount, 11/'32.
L. botryoides Sacc. on *Quercus Robur* : **20**, Dargle, 4/'36.
L. Hederae* Starb. on *Hedera Helix* : **28, Doonee, 5/'39.

Melanconiales

Gloeosporium cylindrospermum* Sacc. on *Alnus rotundifolia* : **15, Ashford, 8 '41 ; **21**, Kilmashogue, 9/'38 ; **22**, Dunboyne, 11/'35 ; **23**, Mullingar, 7/'35.
Myxosporium bellulum* Sacc. on *Alnus rotundifolia* : **4, Rochestown, 1/'48.
***M. subfalcatum* (Bomm., Rouss. & Sacc.) Allesch. on *Cytisus scoparius* : **20**, Enniskerry, 7/'36.
Actinonema Rosae Fr. on *Rosa* : **1**, Caragh Lake, 8/'40 ; **4**, Douglas, 8/'40.
Marssonina Potentillae Magn. on *Potentilla reptans* : **4**, Robert's Cove, 8/'46 ; on *P. procumbens* : **7**, Aherlow, 8/'44 ; on *P. reptans* : **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; on *P. erecta* : **17**, Ashford, 8/'41 ; on *P. procumbens* : **22**, Bettystown, 10/'35 ; on *P. sterilis* : **28**, Swiss Valley, 5/'39.
Septogloeum Ulmi* Died. on *Ulmus montana* : **3, Glandore, 7/'45 ; **4**, Farnanes, 8/'40 ; **19**, Poulaphouca, 8/'33 ; **20**, Blessington, 10/'37 ; **21**, Clondalkin, 10/'47 ; **25**, Athlone, 9/'38.
Libertella betulina* Desm. on *Betula alba* : **18, Turraun, 4/'33.
Melanconium bicolor Nees on *Betula alba* : **1**, Westcove, 8/'43 ; **3**, Glengarriff, 9/'36 ; on *Betula* : **7**, Ballynacourty, 8/'44 ; on *B. pubescens* : **21**, Phoenix Park, 8/'47.
Thyrsidium hedericolum* Sacc. on *Hedera Helix* : **19, Carton, 4/'36.
Coryneopsis microsticta* Grove on *Rosa canina* : **14, Abbeyleix, 10/'37.
Coryneum Kunzei* Corda on *Castanea sativa* : **20, Dargle, 4/'39.

Hyphomycetales

Microstroma album (Desm.) Sacc. on *Quercus Robur* : **4**, Farnanes, 8/'40 ; **7**, Aherlow, 8/'44 ; **14**, Abbeyleix, 10/'37 ; on *Q. sessiliflora* : **18**, Clarleville Park, 10/'37.
Fusidium Pteridis* Kalchbr. on *Asplenium Ruta-muraria* : **21, Clonsilla, 4 '34.
Oidium erysiphoides Fr. on *Antirrhinum majus* : **21**, Rathgar, 3/'43.
O. alphitoides Griff. & Maubl. on *Quercus sessiliflora* : **1**, Westcove, 8/'43 ; on *Q. Robur* : **4**, Farnanes, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **11**, Graignamanagh, 8/'35 : Dr. M. Coyle ; **26**, Cong, 8/'41.
O. Passerinii Bertol. on *Prunus Laurocerasus* : **20**, Powerscourt, 10/'37 ; on *P. lusitanica* : **21**, Leopardstown Park, 11/'35.
O. Euonymi-japonicae Sacc. on *Euonymus japonicus* : **20**, Bray, 7/'31.
Ovularia destructiva (Phill. & Plowr.) Rab. on *Myrica Gale* : **1**, Sneem, 8 '43 ; **3**, Coomanage, 8/'43.
O. obliqua (Cooke) Oud. on *Rumex obtusifolius* : **5**, Mallow, 6/'35 ; **13**, Rathvilly, 8/'37 ; on *Rumex* : **24**, Longford, 9 '38 ; **25**, Athlone, 9 '38 ; **28**, Swiss Valley, 5/'39.
O. decipiens Sacc. on *Ranunculus repens* : **7**, Cahir, 8 '44 ; **8**, Galbally, 8/'44.
O. alpina* Massal. on *Alchemilla alpina* : **20, Tonelagee, 7/'36.

O. sphaeroidea Sacc. on *Lotus uliginosus* : **1**, Sneem, 8/'43 ; **3**, Glandore, 8/'40 ; **5**, Tivoli, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37.

O. caduca* Voss on *Circaea lutetiana* : **1, Muckross, 9/'36.

O. epilobiana Sacc. & Fautrey on *Epilobium hirsutum* : **20**, Enniskerry, 6/'35 ; **21**, Ashtown, 9/'36 ; **24**, Longford, 9/'38.

O. primulana Karst. on *Primula vulgaris* : **3**, Glandore, 8/'40 ; **17**, Ashford, 8/'41 ; **28**, Doonee, 5/'39 .

O. Veronicae (Fckl.) Sacc. on *Veronica Chamaedrys* : **1**, Kenmare, 8/'43 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **18**, Charleville Park, 10/'37 ; **20**, Glendalough, 10/'36 ; **23**, Fardrum, 9/'38 ; **24**, Longford, 9/'38.

O. Inulae Sacc. on *Pulicaria dysenterica* : **5**, Garryvoe, 8/'40.

Botrytis Allii Munn on *Allium Cepa* : **21**, Rathgar, 4/'43.

B. cinerea Pers. on *Fragaria vesca* : **8**, Newcastle West, 6/'34 : Mrs. H. Lloyd ; on *Urtica dioica* : **32**, Castleblayney, 6/'35.

B. fulva* Link on *Rhododendron* : **20, Kiltymon, 10/'33 : Dr. C. La Touche.

Verticillium Buxi Auersw. & Flsch. on *Buxus sempervirens* : **4**, Farran, 3/'37 ; **18**, Charleville Park, 10/'37.

Didymaria Kriegeriana* Bres. on *Lychnis dioica* : **20, Powerscourt, 6/'32 ; **32**, Castleblayney, 6/'35.

D. didyma Schröt. on *Ranunculus repens* : **1**, Westcove, 8/'40 ; **3**, Glandore, 7/'45 ; **4**, Farnanes, 8/'38 ; **7**, Aherlow, 8/'44 ; **13**, Rathvilly, 8/'37 ; **18**, Charleville, 10/'37 ; **22**, Dunboyne, 11/'35 ; **29**, Drumahaire, 5/'39.

Cercosporella Nicolai* Bubak on *Menyanthes trifoliata* : **17, Ashford, 8/'41.

Ramularia Alismatis Fautr. on *Alisma Plantago-aquatica* : **7**, Aherlow, 8/'44.

R. Urticae Ces. on *Urtica dioica* : **4**, Farnanes, 8/'40 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **18**, Charleville, 10/'37 ; **31**, Baltray, 10/'35.

R. Parietariae Pass. on *Parietaria ramiflora* : **4**, Monkstown, 8/'43 ; **7**, Cahir, 8/'44 ; **26**, Cong, 8/'41.

R. pratensis Sacc. on *Rumex Acetosa* : **17**, Ashford, 8/'41 ; **20**, Kilbride, 9/'40.

R. Betae* Rostr. on *Beta maritima* : **21, Rathgar, 3/'43.

R. Calthae Lindr. on *Caltha palustris* : **20**, Enniskerry, 7/'36 ; **32**, Castleblayney, 5/'47.

R. Ranunculi Peck on *Ranunculus repens* : **11**, Birchfield, 10/'33 ; on *R. acris* : **21**, Stillorgan, 10/'36 ; on *R. repens* : **23**, Athlone, 7/'34.

R. repentis* Oudem. on *Ranunculus repens* : **4, Farnanes, 8/'40.

R. Winteri Thüm. on *Ononis repens* : **7**, Cahir, 8/'44.

R. Geranii Fckl. on *Geranium pyrenaicum* : **20**, Blessington, 6/'37.

R. lactea Sacc. on *Viola Riviniana* : **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41 ; **31**, Monasterboice, 7/'35 : Dr. M. Coyle.

R. Circaeae* Allesch. on *Circaea lutetiana* : **7, Ballynacourty, 8/'44 ; **26**, Cong, 8/'41.

R. Epilobii Allesch. on *Epilobium montanum* : **17**, Ashford, 8/'41 ; **26**, Cong, 8/'41.

R. Angelicae* v. Höhn. on *Angelica sylvestris* : **26, Cong, 8/'41.

R. Heraclei Sacc. on *Heracleum Sphondylium* : **4**, Farnanes, 8/'43 ; **17**, Ashford, 8/'41 ; **19**, Poulaphouca, 8/'33 ; **26**, Cong, 8/'41 ; **29**, Sriff Cottage, 5/'39 ; **31**, Baltray, 10/'35.

R. pastinacae* Bubak on *Pastinaca sativa* : **20, Blessington, 8/'41.

R. Primulae v. Thuem. on *Primula vulgaris* : **7**, Aherlow, 8/'44 ; **21**, Lambay, 6/'32 ; **26**, Cong, 8/'41.

R. calcea Ces. on *Nepeta hederacea* : **14**, Abbeyleix, 10/'37 ; **18**, Charleville, 10/'37 ; **24**, Longford, 9/'38 ; **31**, Baltray, 10/'35.

R. Anagallidis* Lind. on *Veronica Anagallis-aquatica* : **22, Dunboyne, 11/'35.

R. coccinea* (Fckl.) Vestergr. on *Veronica officinalis* : **14, Ballybrittas, 7/'33.

R. variabilis Fckl. on *Digitalis purpurea* : **7**, Ballynacourty, 8/'44 ; **8**, Galbally, 8/'44 ; **17**, Ashford, 8/'41 ; **29**, Glenade, 5/'39.

R. Scrophulariae Fautr. & Roum. on *Scrophularia nodosa* : **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 8/'41 ; **18**, Charleville, 10/'37 ; **26**, Cong, 8/'41.

R. plantaginea Sacc. & Berl. on *Plantago lanceolata* : **4**, Farnanes, 8/'33 ; **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41 ; **18**, Charleville, 10/'37 ; **21**, Howth, 8/'36 ; **22**, Dunshaughlin, 7/'37 ; **26**, Cong, 8/'41 ; on *P. major* : **29**, Glenade, 5/'39.

R. Kriegeriana Bressad. on *Plantago lanceolata* : **3**, Glandore, 8/'40.

R. sambucina Sacc. on *Sambucus nigra* : **7**, Aherlow, 8/'44 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **17**, Ashford, 9/'41 ; **22**, Lagore, 7/'37 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'38 ; **26**, Cong, 8/'41.

R. Valerianae Sacc. on *Valeriana officinalis* : **17**, Ashford, 8/'41 ; **20**, Blessington, 9/'39 ; **21**, Ashtown, 9/'36.

R. Centranthi Brun. on *Kentranthus ruber* : **5**, Tivoli, 8/'40 ; **7**, Cahir, 8/'44.

R. Succisae Sacc. on *Scabiosa arvensis* : **13**, Rathvilly, 8/'37 ; **17**, Ashford, 8/'41.

R. macrospora Fres. on *Senecio aquaticus* : **4**, Farnanes, 8/'40.

R. purpurascens Wint. on *Petasites fragrans* : **3**, Glandore, 8/'40 ; on *P. ovatus* : **5**, Tivoli, 8/'40 ; **13**, Rathvilly, 8/'37 ; on *P. fragrans* : **26**, Cong, 8/'41.

R. pruinosa Speg. on *Senecio Jacobaea* : **14**, Abbeyleix, 10/'37 ; on *S. aquaticus* : **19**, Poulaphouca, 8/'33 ; on *S. Jacobaea* : **22**, Athlone, 7/'34.

R. filaris Fres. var. *Lappae* Bres. on *Arctium* : **4**, Farnanes, 8/'40 ; **19**, Celbridge, 9/'34.

R. Lapsanae (Desm.) Sacc. on *Lapsana communis* : **3**, Skibbereen, 11/'46 : Mr. B. O'Regan ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **23**, Fardrum, 9/'38 ; **26**, Cong, 8/'41.

R. Taraxaci Karst. on *Taraxacum vulgare* : **3**, Castletownsend, 8/'40 ; **8**, Newcastle West, 9/'36 ; **14**, Abbeyleix, 10/'37 ; **20**, Dargle, 7/'36 ; **22**, Dunshaughlin, 7/'37 ; **24**, Longford, 9/'38 ; **25**, Athlone, 9/'39 ; **26**, Cong, 8/'41 ; **32**, Castleblayney, 11/'47.

Torula antennata* Pers. on *Fraxinus excelsior* : **21, Killakee, 5/'35 ; **22**, Dunboyne, 3/'36.

T. herbarum Link on *Urtica dioica* : **12**, Courtown, 6/'33.

T. conglutinata* Corda on *Urtica dioica* : **19, Celbridge, 6/'35 ; **21**, Clonskeagh, 4/'33 ; **32**, Castleblayney, 6/'35.

Hormiscium Centaurii* Sacc. on *Erythraea Centaurium* : **12, Rosslare, 8/'39 : Dr. M. Coyle.

Fusicladium depressum (B. & Br.) Sacc. on *Angelica sylvestris* : **7**, Aherlow, 8/'44 ; **25**, Athlone, 9/'38.

Passalora bacilligera Mont. & Fr. on *Alnus rotundifolia* : **2**, Muckross, 9/'36.

Polythrincium Trifolii Kunze on *Trifolium repens* : **5**, Garryvoe, 8/'40 ; **7**, Ballynacourty, 8/'44 ; **13**, Rathvilly, 8/'37 ; **14**, Abbeyleix, 10/'37 ; **19**, Leixlip, 8/'36 ; **22**, Dowth, 7/'35 : Dr. M. Coyle.

Helminthosporium velutinum Link on *Alnus rotundifolia* : **4**, Rochestown, 1/'48 ; on *Brassica arvensis* : **13**, Rathvilly, 8/'37.

H. turbinatum* Berk. & Br. on *Sambucus nigra* : **20, Dingle, 4/'33.

Heterosporium Magnusianum Jaap on *Narthecium ossifragum* : **1**, Westcove, 8/'43 ; **3**, Coomaneage, 8/'43.

Cercospora beticola Sacc. on *Beta maritima* : **21**, North Bull, 10/'44.

C. Calthae* Cooke on *Caltha palustris* : **28, Doonee, 5/'39.

C. Ranunculi* Ell. & Holw. on *Ranunculus repens* : **20, Blessington, 5/'37.

C. Resedae Fckl. on *Reseda Luteola* : **25**, Athlone, 9/'38.

C. Mercurialis* Pass. on *Mercurialis perennis* : **24, Ballymahon, 9/'36 : Mr. Alfred Leonard.

C. microsora* Sacc. on *Tilia vulgaris* : **20, Blessington, 8/'38.

Dendryphium comosum Wallr. on *Chenopodium album* : **5**, Tivoli, 8/'40.

D. toruloides (Fres.) Lindau on *Urtica dioica* : **2**, Killarney, 6/'35 ; **3**, Glengarriff, 6/'35 ; **6**, near Waterford, 6/'35 ; **7**, Aherlow, 8/'44 ; **30**, Belturbet, 6/'35 ; **32**, Castleblayney, 6/'35.

Stilbella erythrocephala Lindau on rabbit's dung ; **14**, Abbeyleix, 10/'37 ; **26**, Cong, 8/'41.

Isaria farinosa (Dicks.) Fr. on an arachnid : **17**, Cong, 8/'41.

Isariopsis albo-rosella Sacc. on *Cerastium* : **3**, Farnanes, 8/'40.

Tuberculina persicina Sacc. on *Sorbus Aucuparia* : **7**, Aherlow, 8/'44 ; on *S. Aria* : **21**, Tallaght, 9/'35 : Mr. H. Gallagher ; on *Sorbus* : **32**, Castleblayney, 5/'47.

Tubercularia vulgaris Tode on *Abies* sp. : **10**, Roscrea, 10/'43 : Mr. D. Quirke, M.Sc. ; on *Tilia vulgaris* : **26**, Cong, 8/'41.

Cylindrocolla Urticae (P.) Bon. on *Urtica dioica* : **20**, Powerscourt, 4/'35 ; **22**, Dunboyne, 3/'36.

Fusarium roseum* Link on *Lavatera arborea* : **21, Donabate, 5/'39.

Epicoccum purpurascens Ehrenb. on *Brassica arvensis* : **13**, Rathvilly, 8/'37.